

BEST AVAILABLE COPY

20mer Array

Hybridized with control oligonucleotide

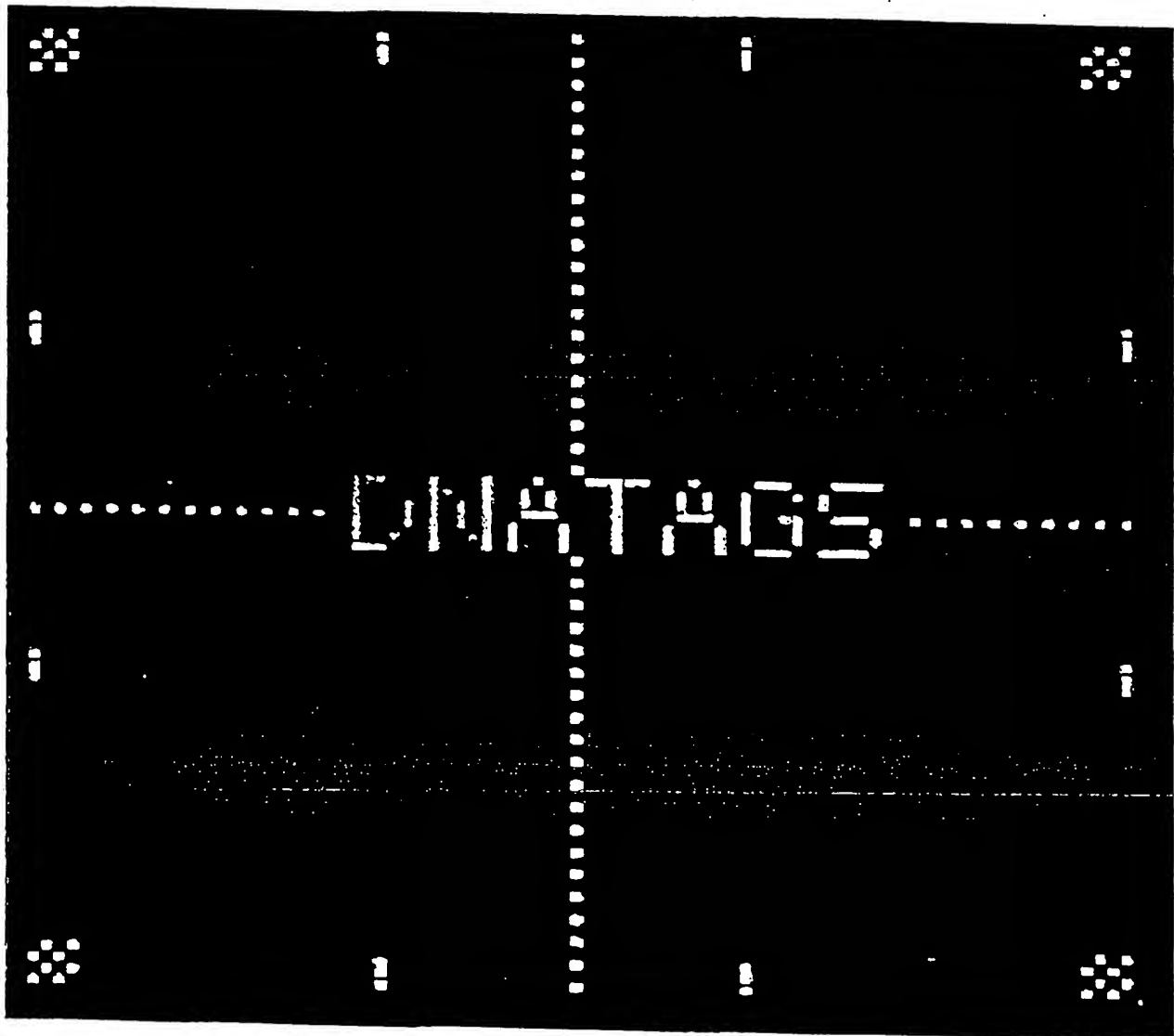


Figure 1

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PCR Deletion Strategy

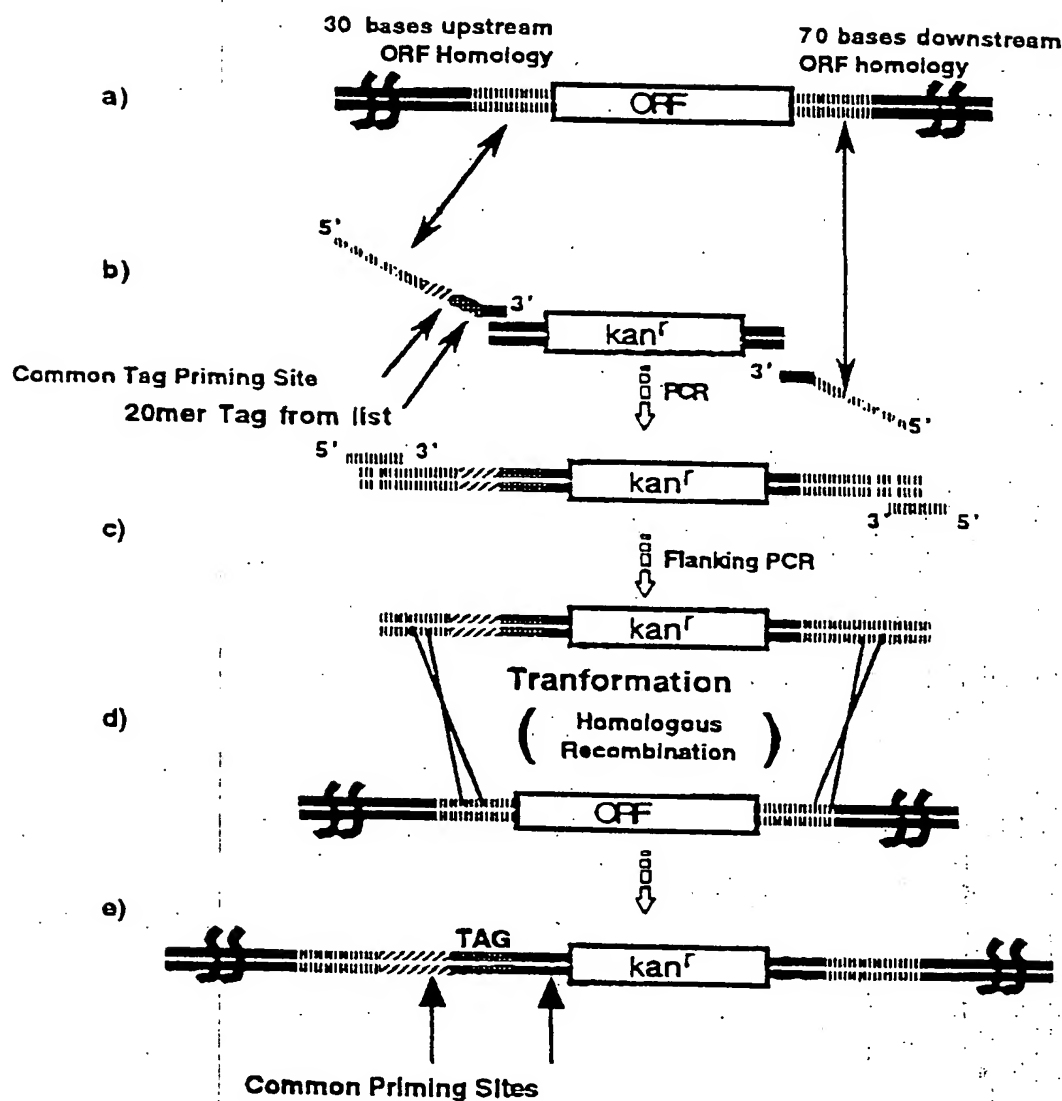


Figure 2

Up-stream 86mer

UP-STREAM ADE 1 HOMOLOGY TAG PRIMING SITE 20MER TAG kan^r homology
AAAGAATACACATACGAAATATTAAACCATAGATGTCCACGAGGCTCTTTTGGTGGCCCCACAAACAACTATAGTGAGTCGTAT

Up-stream flanking 20mer
AAAGAATACACATACGAAAT

Down-stream 66mer

DOWN-STREAM ADE 1 HOMOLOGY kan^r homology
ATTCACTGAGGAGTTACACTGGCGACTTGTAGTATATGTAAATCAGTTAAACAGCTATGACCATC

Down-stream flanking 20mer
ATTCACTGAGGAGTTACACT

Figure 3

Transformation Results

ORF	GeneBank	ORF size	Transformation efficiency	20mer TAG (x,y)	SEQUENCE
ADE 1	M61209	320aa	100% (8/8)	(6.0)	cttggtgcccacaaacna
ADE 2	M59824	520aa	50% (4/8)	(7.1)	ggctctcgacaaatctcaa
ADE 3	G7733	945aa	50% (4/8)	(8.0)	gtgtctccaaagcagaaa
ADE 4	M74309	530aa	100% (8/8)	(9.1)	gcgcttcgccaacagataaa
ADE 5	X04337	802aa	100% (8/8)	(10.0)	gcctgctgcaaaccattaaa
ARO A	X60190	377aa	75% (6/8)	(11.1)	ggcgctccaacaatgcacaa
ARO 7	M24517	256aa	100% (8/8)	(12.0)	gccttcgcaacaatggacaa
TRP 2	K01388	529aa	100% (8/8)	(13.1)	cctctcagcaaatggtacaa
TRP 3	K01386	485aa	88% (7/8)	(14.0)	ggtctgctcaaatacaccna
TRP 4	X04273	380aa	75% (6/8)	(15.1)	gcagatgccaaacggtccaa
TRP 5	V01342	707aa	88% (7/8)	(16.0)	gcccaggcgaattcagcaa

Figure 4

Tag Analysis

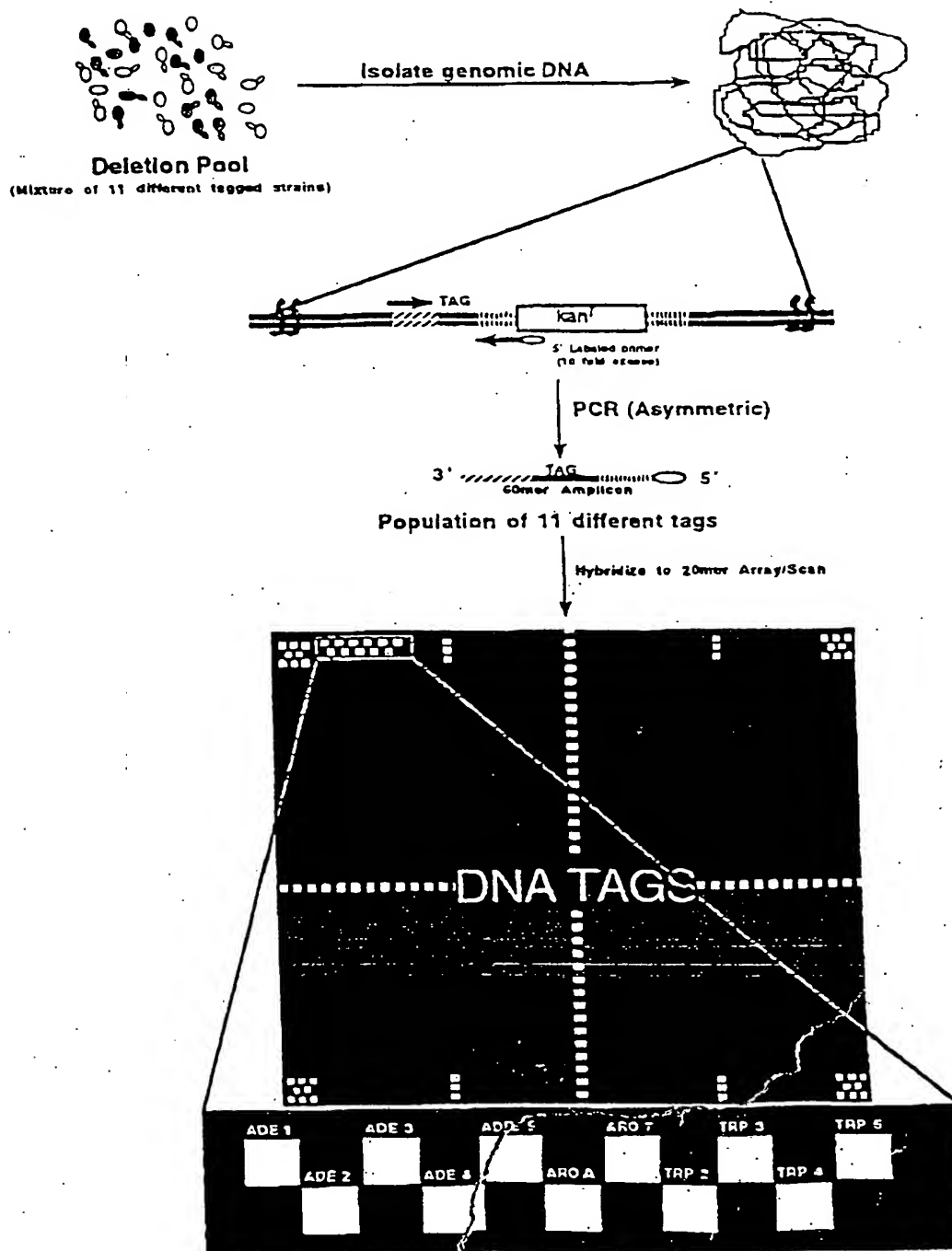
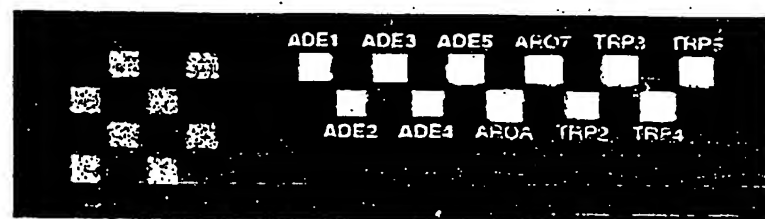


Figure 5

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COMPLETE MEDIA



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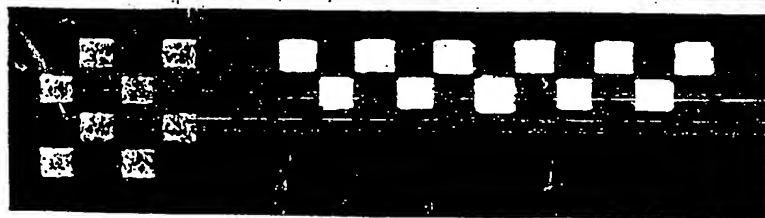
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T=6hr



T=9hr



T=12hr



T=24hr

Figure 6A

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ADE DROP-OUT MEDIA

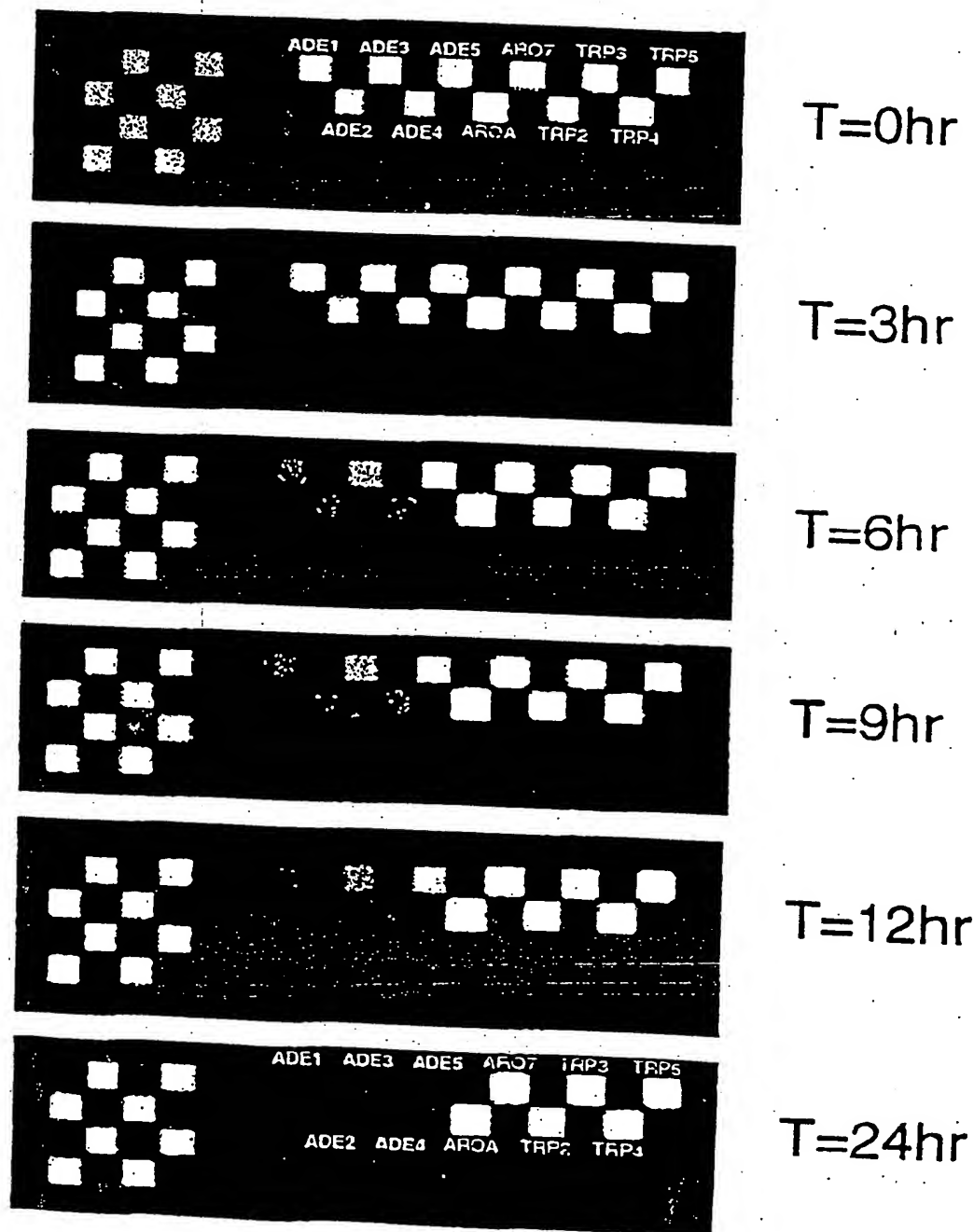
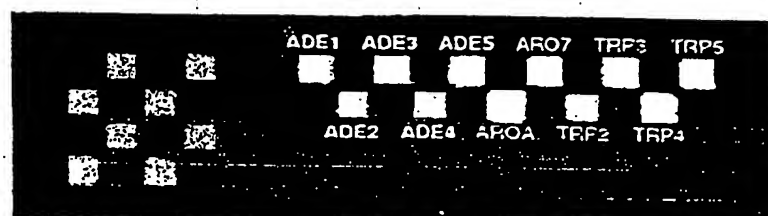


Figure 6B

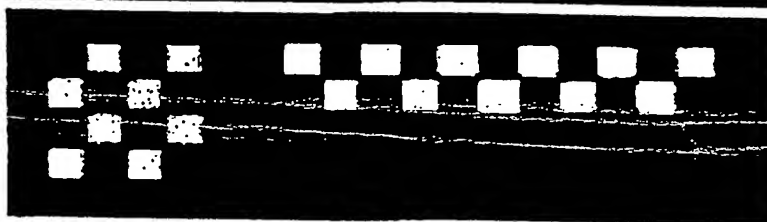
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TRP DROP-OUT MEDIA



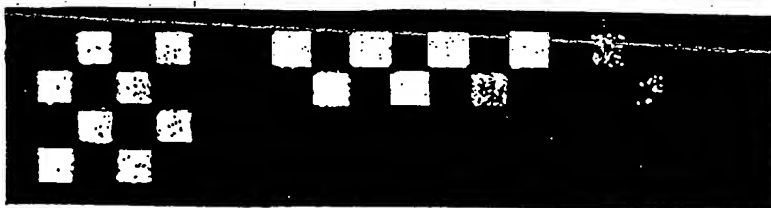
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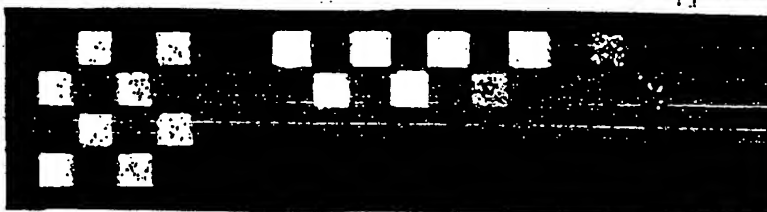
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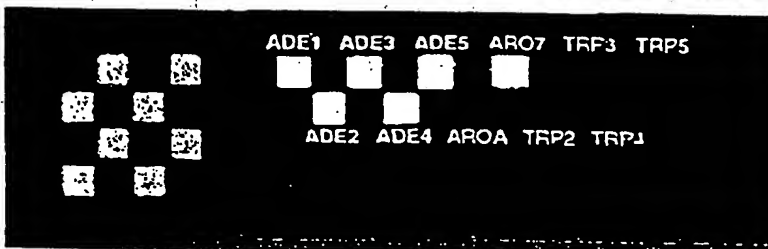
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T=9hr



T=12hr



T=24hr

Figure 6C

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